

# Injury-related Hospital Discharges

2003\*

## MASSACHUSETTS CHILDREN, AGES 1-14 YEARS

- ◆ There were 2,369 injury-related hospital discharges among Massachusetts children ages 1-14 in 2003, a rate of 205.3 for every 100,000 children ages 1-14 years old.

INJURY CAUSE	INJURY INTENT					Total Number	Percent of Total	Crude Rate per 100,000 <sup>2</sup>
	Unintentional	Intentional		Undetermined	Other & Legal <sup>1</sup>			
		Self-inflicted	Assault					
Cut/pierce	49	10	5	0	0	64	2.7	5.5
Drowning/submersion	13	0	0	0		13	0.5	1.1
Fall	874	1	0	0		875	36.9	75.8
Fire/flame & hot substance burn	45	0	0	2		47	2.0	4.1
Firearms	1	0	3	0	0	4	0.2	--
Machinery	5					5	0.2	0.4
Natural/environmental	136	0		0		136	5.7	11.8
<i>Dog bites</i>	57	0		0		57	2.4	4.9
<i>Other bites &amp; stings</i>	66	0		0		66	2.8	5.7
<i>All other (e.g. extreme cold)</i>	13	0		0		13	0.5	1.1
Overexertion	29					29	0.0	2.5
Poisoning	115	91	0	13	0	219	9.2	19.0
Struck by, against	193	0	8	0	1	202	8.5	17.5
Suffocation/hanging	23	0	0	0		23	1.0	2.0
Transport Injuries:	393	0	0	0	0	393	16.6	34.1
<i>Motor vehicle traffic-related</i>	219					219	9.2	19.0
<i>Occupant</i>	87					87	3.7	7.5
<i>Motorcyclist</i>	11					11	0.5	1.0
<i>Pedal cyclist</i>	34					34	1.4	2.9
<i>Pedestrian</i>	79					79	3.3	6.8
<i>Other person</i>	5					5	0.0	0.4
<i>Unspecified person</i>	3					3	0.1	--
<i>Pedal cyclist, other</i>	110					110	4.6	9.5
<i>Pedestrian, other</i>	9					9	0.4	0.8
<i>Other transport</i>	55					55	2.3	4.8
Other specified & classifiable	145	0	14	0	0	159	6.7	13.8
Other specified, not classifiable	44	3	4	5	0	56	2.4	4.9
Unspecified	54	2	3	5	0	64	2.7	5.5
Adverse Effects <sup>3</sup>						25	1.1	2.2
No cause or intent provided						55	2.3	4.8
<b>TOTALS</b>	<b>2,119</b>	<b>107</b>	<b>37</b>	<b>25</b>	<b>1</b>	<b>2,369</b>	<b>100%</b>	<b>205.3</b>
Injury Hospitalization Rate by Intent	183.6	9.3	3.2	2.2	--	n/a	n/a	n/a

Source: MA Hospital Discharge Database, MA Division of Health Care, Finance and Policy.

<sup>1</sup> Legal Intervention includes injuries resulting from police actions and operations of war.

<sup>2</sup> Rates are not calculated on counts of less than five. Rates that are based on counts less than twenty may be unstable.

<sup>3</sup> Adverse Effects can be related to medical and surgical care procedures, or to the use of therapeutic substances (including allergic reactions).

\*Analysis is based on a fiscal year (Oct 1, 2002 - Sep 30, 2003).

—An emergency department injury discharge is defined as any case having an ICD9-CM Nature of Injury Code of 800-999 assigned to any of the ICD9 diagnosis fields [cases having the following codes are excluded if no other valid ICD9-CM code is assigned: Certain Adverse Effects (995.0-995.4, 995.6, 995.7, 995.86, 995.89), Complications of Surgical & Medical Care (996-999), and certain Late Effects (909.3, 909.5)]

—Categories and groupings are based on a modified version of the CDC's "Recommended framework of E-code groupings for presenting injury mortality and morbidity data."

This framework does not provide for intentionality for certain cause categories as indicated by gray shading.

—Injury subcategories are italicized.

—Only Massachusetts residents with valid zip codes (01001-02791, 05501, 05544) are included in this analysis.

—Injury hospitalization cases transferred to another acute care facility or subsequently dying in the hospital, are excluded from this analysis.

—Population data used to calculate rates are based on 2003 population estimates generated by the US Census Bureau ([www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL\\_MO.csv](http://www.census.gov/popest/states/asrh/files/SC-EST2003-race6-AL_MO.csv)).

—Data were extracted and compiled by the Injury Surveillance Program, Center for Health Information, Statistics, Research and Evaluation, MDPH, July 2005.